



BUREAU MINERAL LABORATORIES
VERITAS Canada

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Bureau Veritas Commodities Canada Ltd.
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada
PHONE (604) 253-3158

Client: **Fireweed Zinc Ltd.**
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6 Canada

Submitted By: Dennis Arne
Receiving Lab: Canada-Whitehorse
Received: September 10, 2018
Report Date: October 01, 2018
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CERTIFICATE OF ANALYSIS

WHI18000873.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ18-BV-028
P.O. Number
Number of Samples: 122

SAMPLE DISPOSAL

RTRN-PLP Return After 90 days
DISP-RJT-SOIL Immediate Disposal of Soil Reject

Bureau Veritas does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Fireweed Zinc Ltd.
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6
Canada

CC: Jack Milton
Gilles Dessureau
Jill Moore
Maeve Murphy

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS230	119	Dry at 60C sieve 100g to -230 mesh			WHI
SLBHP	3	Sort, label and box pulps			WHI
AQ250	122	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	122	Per sample shipping charges for branch shipments			VAN

ADDITIONAL COMMENTS


KERRY JAY
Geochem Project Specialist

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only. All results are considered the confidential property of the client. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
*** asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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	Method	Analyte	Unit	MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250			
					Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
					ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
					0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3201821	Soil																							
3201822	Soil																							
3201823	Soil																							
3201824	Soil																							
3201825	Soil																							
3201826	Soil																							
3201827	Soil																							
3201828	Soil																							
3201829	Soil																							
3201830	Soil																							
3201831	Soil																							
3201832	Soil																							
3201833	Soil																							
3201834	Soil																							
3201835	Soil																							
3201836	Soil																							
3201837	Soil																							
3201838	Soil																							
3201839	Soil																							
3201840	Rock Pulp																							
3201841	Soil																							
3201842	Soil																							
3201843	Soil																							
3201844	Soil																							
3201845	Soil																							
3201846	Soil																							
3201847	Soil																							
3201848	Soil																							
3201849	Soil																							
3201850	Soil																							



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	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
3201821	Soil	17.1	17.3	0.25	213.4	0.016	<20	1.06	0.006	0.10	<0.1	2.2	0.37	0.06	127	2.3	0.04	3.3
3201822	Soil	10.7	13.0	0.26	229.3	0.021	<20	0.87	0.009	0.09	0.2	1.6	0.25	0.07	79	2.5	0.04	2.8
3201823	Soil	29.2	19.6	0.22	231.7	0.007	<20	1.60	0.003	0.12	0.1	2.5	0.23	<0.02	32	1.8	0.07	3.5
3201824	Soil	19.8	13.4	0.11	342.5	0.007	<20	1.01	0.013	0.10	0.1	1.3	0.17	0.02	51	0.8	0.04	3.5
3201825	Soil	18.3	16.1	0.17	300.5	0.008	<20	1.01	0.008	0.15	<0.1	2.2	0.27	0.04	122	1.9	0.06	2.9
3201826	Soil	22.4	7.5	0.02	90.4	0.005	<20	0.48	0.004	0.06	0.1	0.4	0.16	<0.02	29	1.3	0.05	2.7
3201827	Soil	20.1	14.4	0.19	96.7	0.017	<20	0.86	0.003	0.07	0.2	1.1	0.17	<0.02	25	1.5	0.06	4.1
3201828	Soil	15.3	20.8	0.28	352.8	0.024	<20	1.24	0.015	0.13	0.5	1.8	0.40	0.06	175	3.8	0.06	4.4
3201829	Soil	21.1	18.1	0.22	487.2	0.008	<20	1.28	0.007	0.14	<0.1	2.1	0.27	0.04	128	2.6	0.06	3.7
3201830	Soil	11.2	12.3	0.13	301.7	0.011	<20	0.87	0.022	0.10	<0.1	1.4	0.20	0.02	85	1.8	0.04	3.0
3201831	Soil	15.7	22.9	0.30	412.5	0.024	<20	1.32	0.014	0.14	0.2	2.1	0.33	0.04	133	1.8	0.05	4.6
3201832	Soil	16.8	17.1	0.30	378.1	0.015	<20	1.12	0.015	0.13	0.2	1.9	0.26	0.05	129	1.7	0.06	3.6
3201833	Soil	14.7	16.9	0.29	335.1	0.019	<20	1.17	0.018	0.13	0.1	1.8	0.26	0.05	95	1.9	0.05	3.8
3201834	Soil	24.5	18.9	0.34	470.6	0.011	<20	1.29	0.010	0.15	<0.1	2.5	0.26	0.04	120	1.6	0.05	3.9
3201835	Soil	18.9	18.8	0.28	405.6	0.014	<20	1.37	0.012	0.14	0.1	2.2	0.33	0.04	108	1.8	0.05	4.1
3201836	Soil	17.9	17.4	0.29	420.0	0.015	<20	1.15	0.007	0.15	0.2	2.3	0.33	0.05	120	2.6	0.06	3.3
3201837	Soil	22.3	18.5	0.28	290.2	0.017	<20	1.08	0.006	0.13	0.1	1.9	0.33	<0.02	87	1.6	0.06	3.2
3201838	Soil	14.8	17.9	0.18	394.2	0.011	<20	1.39	0.013	0.15	0.1	1.8	0.42	0.04	178	2.4	0.06	3.8
3201839	Soil	26.7	20.3	0.30	286.4	0.022	<20	1.12	0.004	0.13	0.1	2.4	0.36	<0.02	96	1.7	0.06	3.4
3201840	Rock Pulp	27.8	34.7	0.51	66.9	0.081	<20	0.87	0.094	0.13	<0.1	3.3	0.09	0.05	25	<0.1	<0.02	3.2
3201841	Soil	12.3	16.6	0.22	300.7	0.014	<20	1.18	0.023	0.16	0.2	1.8	0.37	0.04	120	1.8	0.06	3.6
3201842	Soil	13.0	17.1	0.28	312.4	0.015	<20	1.15	0.016	0.14	<0.1	2.0	0.32	0.09	143	2.7	0.04	3.6
3201843	Soil	16.9	33.3	0.31	189.9	0.044	<20	3.08	0.006	0.15	0.4	3.8	0.38	0.07	126	3.8	0.08	5.5
3201844	Soil	16.4	24.7	0.23	209.3	0.038	<20	1.48	0.009	0.15	0.4	2.1	0.69	0.13	128	6.3	0.10	5.5
3201845	Soil	1.0	63.9	<0.01	5.9	0.003	<20	0.25	<0.001	0.01	<0.1	0.3	0.07	0.55	20	5.6	<0.02	0.4
3201846	Soil	1.5	24.8	<0.01	19.6	0.009	<20	0.28	0.001	0.01	<0.1	0.5	0.08	0.29	18	3.4	0.02	0.9
3201847	Soil	17.0	23.6	0.20	331.5	0.050	<20	0.98	0.010	0.18	0.5	1.7	0.44	0.19	66	6.0	0.07	7.3
3201848	Soil	13.4	33.7	0.13	277.9	0.059	<20	1.57	0.006	0.10	0.8	1.7	0.32	0.14	375	8.0	0.15	11.0
3201849	Soil	12.3	28.8	0.19	308.6	0.041	<20	2.05	0.010	0.13	2.2	2.2	0.36	0.17	211	8.2	0.14	5.9
3201850	Soil	12.7	17.8	0.06	235.1	0.022	<20	0.79	0.008	0.09	0.4	1.1	0.34	0.13	100	4.8	0.16	7.3



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3201851	Soil	4.49	19.33	16.59	23.9	1417	4.9	1.0	24	1.43	13.0	0.5	0.5	<0.1	4.7	0.12	1.69	0.29	41	<0.01	0.054
3201852	Soil	11.59	28.54	31.18	51.4	411	8.9	1.7	65	4.01	38.3	1.3	2.2	2.3	14.0	0.08	4.11	0.46	58	0.01	0.117
3201853	Soil	6.69	25.39	25.31	33.8	1120	7.8	1.4	40	2.31	21.0	1.2	1.7	1.9	7.8	0.11	2.29	0.43	51	0.01	0.077
3201854	Soil	7.56	22.67	33.94	31.8	633	6.8	1.4	42	2.79	28.7	0.8	2.8	0.6	9.2	0.09	2.99	0.46	50	0.01	0.088
3201855	Soil	6.68	24.61	25.12	42.4	584	9.7	2.3	96	3.03	25.7	1.1	1.0	0.8	10.9	0.12	2.71	0.44	45	0.02	0.099
3201856	Soil	8.27	16.86	27.11	39.0	118	7.6	1.8	43	2.40	25.7	0.7	<0.2	4.4	7.1	0.06	2.27	0.48	76	<0.01	0.057
3201857	Soil	2.86	1.70	2.20	2.1	137	0.7	0.1	3	0.09	1.2	0.3	<0.2	0.3	4.0	<0.01	0.45	0.12	11	<0.01	0.017
3201858	Soil	4.87	2.02	8.30	5.1	178	1.2	0.2	5	0.22	4.1	0.3	0.5	0.2	3.5	0.02	0.87	0.14	14	<0.01	0.016
3201859	Soil	8.05	22.10	24.79	53.1	777	12.5	2.4	80	2.29	39.7	1.7	0.9	0.2	44.0	0.12	2.38	0.43	69	0.03	0.098
3201860	Soil	7.79	21.39	24.33	50.5	716	11.5	2.6	79	2.33	38.2	1.7	2.6	0.2	42.5	0.13	2.34	0.40	66	0.03	0.101
3201861	Soil	9.78	23.72	29.13	49.2	517	8.0	1.2	20	1.19	21.4	0.5	2.6	0.4	18.3	0.06	1.72	0.34	63	<0.01	0.046
3201862	Soil	4.06	12.61	14.09	27.9	181	4.8	1.0	29	1.07	18.4	0.9	11.0	1.1	6.3	0.06	1.30	0.42	50	<0.01	0.032
3201863	Soil	8.08	45.32	36.00	66.6	870	11.4	2.1	76	4.94	27.3	1.4	2.2	3.3	11.1	0.13	3.56	0.54	63	<0.01	0.123
3201864	Soil	11.11	38.76	35.69	55.5	1062	11.5	2.0	68	3.90	34.8	1.3	4.0	2.1	15.2	0.14	4.19	0.42	52	0.02	0.146
3201865	Soil	11.27	38.44	16.35	67.6	416	12.5	2.5	55	3.67	42.6	0.7	14.6	3.3	5.6	0.08	3.57	0.53	106	<0.01	0.091
3201866	Soil	11.81	28.36	51.23	75.9	1560	15.2	2.6	95	4.38	26.5	1.5	4.2	3.9	12.3	0.15	4.80	0.60	51	0.02	0.109
3201867	Soil	17.74	16.98	18.94	46.1	401	8.4	1.8	59	2.43	21.8	1.3	1.4	3.1	13.1	0.28	2.12	0.33	63	0.02	0.048
3201868	Soil	42.27	8.54	34.06	12.3	1013	2.8	0.6	21	1.41	11.1	2.9	2.3	2.2	6.9	0.12	5.12	0.43	25	<0.01	0.032
3201869	Soil	17.60	9.82	5.13	32.4	175	19.7	0.6	10	0.36	5.3	1.8	<0.2	<0.1	5.0	0.41	0.77	0.08	118	0.01	0.025
3201870	Soil	63.72	22.22	25.87	229.3	706	79.5	4.6	187	3.94	49.6	8.5	1.7	4.0	5.2	0.32	4.07	0.31	358	0.02	0.085
3201871	Soil	19.46	31.56	19.86	231.0	403	55.2	28.8	890	3.60	50.0	16.7	1.4	4.7	15.1	1.39	2.14	1.51	36	0.09	0.108
3201872	Soil	6.99	15.15	25.52	43.3	137	8.2	1.7	60	2.39	26.9	1.3	1.2	1.5	13.7	0.08	1.79	0.36	44	0.02	0.092
3201873	Soil	11.43	16.64	42.99	49.9	964	9.2	1.9	96	3.99	48.7	1.0	1.2	4.2	14.2	0.10	4.19	0.53	57	0.02	0.144
3201874	Soil	1.37	3.49	4.67	6.4	262	1.9	0.3	9	0.35	2.1	0.6	0.5	<0.1	5.9	0.17	0.33	0.07	7	0.02	0.027
3201875	Soil	0.29	4.01	1.74	4.3	85	3.7	0.4	8	0.27	1.6	0.7	<0.2	<0.1	6.9	0.10	0.13	0.04	4	0.05	0.021
3201876	Soil	5.67	30.71	24.42	86.8	279	20.3	5.0	191	4.18	25.9	1.1	2.5	2.5	17.9	0.16	1.72	0.40	61	0.08	0.115
3201877	Soil	8.84	44.77	46.16	78.1	1744	14.0	3.7	125	4.98	47.7	1.5	5.3	6.8	20.5	0.25	5.35	0.46	44	0.01	0.133
3201878	Soil	10.63	26.41	45.00	65.2	1240	11.2	2.5	111	5.89	62.3	1.2	7.5	6.4	39.6	0.09	6.25	0.58	43	0.02	0.211
3201879	Soil	5.24	109.09	11.84	168.0	541	17.1	2.6	85	4.28	20.6	1.3	0.4	0.5	8.8	0.87	2.86	0.27	29	0.05	0.095
3201880	Rock Pulp	0.72	24.71	1.96	20.5	23	17.3	5.8	246	1.43	0.7	0.4	0.8	2.8	33.0	0.03	0.05	0.02	23	0.62	0.055



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
3201851	Soil	7.6	7.9	0.02	51.0	0.008	<20	0.37	0.011	0.03	0.2	0.2	0.08	0.03	29	1.4	0.07	3.1
3201852	Soil	14.7	15.5	0.12	274.7	0.038	<20	0.89	0.009	0.14	0.4	1.3	0.33	0.15	31	4.7	0.10	7.8
3201853	Soil	16.9	11.9	0.06	126.3	0.029	<20	0.76	0.004	0.07	0.4	0.9	0.21	0.05	81	2.3	0.06	5.9
3201854	Soil	12.9	10.7	0.06	153.0	0.029	<20	0.66	0.009	0.08	0.4	0.8	0.27	0.08	47	3.9	0.09	5.5
3201855	Soil	14.4	14.1	0.09	158.8	0.028	<20	0.91	0.009	0.09	0.3	1.0	0.25	0.09	72	3.1	0.05	5.6
3201856	Soil	22.4	10.4	0.03	94.6	0.068	<20	0.54	0.004	0.05	0.3	0.8	0.19	0.02	17	1.8	0.11	8.3
3201857	Soil	32.5	2.4	<0.01	61.4	0.005	<20	0.13	<0.001	0.04	<0.1	0.3	0.11	<0.02	8	0.4	0.02	1.5
3201858	Soil	13.0	2.5	<0.01	42.9	0.004	<20	0.15	0.002	0.04	<0.1	0.2	0.16	<0.02	17	0.5	0.04	1.4
3201859	Soil	16.4	19.4	0.08	128.5	0.019	<20	0.66	0.008	0.07	0.2	0.7	0.26	0.05	42	2.2	0.12	7.6
3201860	Soil	15.5	19.5	0.08	126.1	0.019	<20	0.64	0.006	0.07	0.2	0.6	0.24	0.05	22	2.0	0.09	7.3
3201861	Soil	17.4	8.4	0.01	80.0	0.006	<20	0.31	0.001	0.04	0.2	0.4	0.16	0.02	8	1.3	0.08	3.8
3201862	Soil	20.5	6.8	0.04	52.4	0.027	<20	0.47	0.002	0.05	0.4	0.6	0.19	<0.02	7	0.8	0.07	6.3
3201863	Soil	14.5	21.3	0.11	125.4	0.051	<20	1.06	0.003	0.11	0.6	1.8	0.31	0.07	84	3.7	0.08	8.6
3201864	Soil	13.8	16.3	0.12	235.1	0.033	<20	0.74	0.012	0.16	0.5	1.4	0.40	0.20	68	4.8	0.10	5.4
3201865	Soil	20.4	13.0	0.02	55.8	0.028	<20	0.33	0.003	0.05	0.3	0.9	0.14	<0.02	16	2.5	0.14	5.4
3201866	Soil	15.0	19.4	0.19	166.2	0.033	<20	1.05	0.006	0.15	0.3	1.9	0.41	0.12	173	5.8	0.13	5.9
3201867	Soil	19.7	12.6	0.09	108.9	0.028	<20	0.96	0.006	0.06	0.3	1.2	0.40	0.03	28	2.2	0.07	6.5
3201868	Soil	9.2	6.5	0.02	113.7	0.007	<20	0.49	0.003	0.09	0.2	0.8	1.63	0.07	493	4.4	0.07	1.7
3201869	Soil	13.3	9.2	0.09	68.1	0.004	<20	0.33	<0.001	0.04	0.1	0.3	1.18	<0.02	21	0.5	0.05	1.5
3201870	Soil	11.4	30.3	0.27	79.9	0.017	<20	1.23	0.001	0.06	0.4	1.7	2.31	<0.02	166	3.3	0.22	4.6
3201871	Soil	20.0	13.3	0.19	194.0	0.033	<20	2.53	0.015	0.14	1.0	2.6	0.52	0.05	82	3.4	0.04	4.8
3201872	Soil	21.2	11.0	0.07	146.6	0.026	<20	0.87	0.005	0.08	0.3	1.0	0.24	0.05	37	1.8	0.07	5.7
3201873	Soil	14.6	15.9	0.10	226.2	0.040	<20	1.32	0.013	0.09	0.4	1.3	0.42	0.13	78	4.3	0.14	7.5
3201874	Soil	3.1	2.7	0.02	37.8	0.008	<20	0.45	0.022	0.03	<0.1	0.2	0.13	0.03	30	1.3	<0.02	1.8
3201875	Soil	2.8	1.3	0.02	39.4	0.005	<20	0.43	0.029	0.02	<0.1	<0.1	0.06	<0.02	6	0.9	<0.02	1.2
3201876	Soil	19.0	28.5	0.29	203.6	0.036	<20	1.63	0.007	0.09	0.3	2.5	0.30	0.06	41	2.7	0.05	6.7
3201877	Soil	18.0	23.6	0.21	296.5	0.037	<20	1.51	0.013	0.17	0.3	2.2	0.49	0.20	205	8.2	0.12	4.7
3201878	Soil	14.8	22.2	0.20	643.5	0.033	<20	1.27	0.049	0.18	0.3	1.8	0.70	0.41	70	9.5	0.17	5.1
3201879	Soil	10.8	12.2	0.06	84.6	0.020	<20	1.18	0.016	0.06	0.2	0.8	0.27	0.09	48	8.4	0.06	3.8
3201880	Rock Pulp	17.2	27.1	0.46	54.8	0.076	<20	0.76	0.079	0.12	<0.1	2.7	0.06	<0.02	9	0.2	<0.02	2.8



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	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3201881	Soil	16.80	34.50	52.63	176.4	693	29.4	6.8	260	5.70	75.0	1.7	1.7	1.0	29.8	0.57	5.60	0.79	81	0.12	0.165
3201882	Soil	4.15	12.43	9.70	23.9	74	5.6	1.2	29	0.84	10.2	0.7	0.4	0.5	6.5	0.05	0.80	0.26	43	0.01	0.028
3201883	Soil	5.55	16.86	14.24	325.4	348	58.2	6.0	343	1.93	11.0	4.5	2.3	0.5	18.3	0.59	1.34	0.22	27	0.37	0.090
3201884	Soil	1.76	21.38	14.97	106.8	750	24.2	1.3	73	1.51	12.4	4.3	1.9	0.1	18.8	0.67	0.60	0.73	25	0.15	0.122
3201885	Soil	0.99	17.31	5.68	24.1	82	6.1	2.1	79	0.99	6.2	0.5	0.5	<0.1	7.4	0.04	0.44	0.08	10	0.03	0.062
3201886	Soil	4.10	20.11	22.48	35.7	344	8.7	1.9	44	1.38	13.3	0.7	1.6	0.1	12.3	0.10	1.50	0.19	19	0.02	0.074
3201887	Soil	3.32	10.90	10.47	35.0	406	5.4	1.1	21	1.06	11.0	0.4	1.1	0.1	8.0	0.05	1.32	0.15	22	0.02	0.056
3201888	Soil	11.49	38.67	39.31	101.9	524	12.7	2.1	37	2.38	27.4	0.9	1.8	0.3	13.0	0.10	2.29	0.45	75	<0.01	0.063
3201889	Soil	8.05	32.11	23.97	87.3	610	11.6	1.9	32	2.19	27.1	0.6	3.4	0.6	7.4	0.09	2.80	0.36	61	<0.01	0.060
3201890	Soil	11.28	21.77	52.37	41.2	302	6.9	1.6	56	3.30	41.5	0.9	0.9	4.3	10.2	0.05	2.71	0.63	70	<0.01	0.086
3201891	Soil	34.44	14.20	46.45	40.6	529	9.6	1.4	38	1.95	30.9	1.9	20.8	1.4	19.7	0.05	2.71	0.60	74	0.01	0.078
3201892	Soil	25.95	19.35	37.15	82.4	300	17.5	3.0	101	3.87	38.0	1.6	0.9	3.7	19.9	0.13	3.13	0.51	87	0.02	0.111
3206351	Soil	2.88	21.37	44.40	154.8	479	25.5	8.4	387	2.18	19.3	2.0	2.6	2.9	37.5	0.48	1.22	0.27	36	0.70	0.077
3206352	Soil	4.48	29.02	33.21	167.3	322	33.4	13.3	484	2.72	56.9	4.6	3.0	2.8	46.5	0.63	1.83	0.37	31	0.82	0.058
3206353	Soil	4.95	34.74	33.99	173.0	299	36.0	12.8	411	2.74	29.9	4.1	2.4	3.9	36.0	0.71	1.76	0.33	31	0.58	0.049
3206354	Soil	2.08	32.27	33.73	141.4	514	30.8	7.8	203	2.23	14.0	3.1	2.7	2.3	54.9	0.54	1.44	0.29	28	1.11	0.075
3206355	Soil	1.71	21.13	19.47	113.3	338	22.5	5.9	236	1.78	12.5	3.9	1.4	0.8	29.4	0.36	1.14	0.19	21	0.69	0.056
3206356	Soil	3.02	23.71	35.83	198.9	394	33.5	9.4	434	2.47	19.8	4.0	2.1	1.7	39.1	0.79	1.64	0.32	27	0.92	0.085
3206357	Soil	9.31	66.11	46.38	281.5	1206	51.7	15.9	482	6.29	47.6	5.7	8.0	4.0	23.2	1.28	5.38	0.23	21	0.47	0.093
3206358	Soil	5.62	46.30	44.45	149.1	960	41.8	7.2	235	2.15	26.2	14.1	4.2	0.4	46.0	2.78	2.14	0.32	46	0.49	0.097
3206359	Soil	11.43	39.19	33.77	117.4	836	23.0	5.6	181	3.72	37.7	2.2	3.3	6.0	18.5	0.42	4.13	0.31	43	0.03	0.103
3206360	Soil	7.84	52.12	29.82	178.0	299	41.9	9.1	242	3.34	31.2	3.0	4.3	6.2	20.0	0.68	2.68	0.25	48	0.09	0.111
3206361	Soil	8.93	55.88	32.97	200.9	355	47.0	9.5	243	3.42	34.6	3.0	2.8	6.2	21.6	0.69	2.80	0.27	49	0.09	0.125
3206362	Soil	8.01	53.63	30.49	150.0	277	39.8	9.3	200	3.58	34.9	2.6	2.7	6.3	21.9	0.46	2.56	0.27	50	0.06	0.101
3206363	Soil	6.69	54.16	26.69	118.1	368	29.8	7.2	160	3.25	29.1	3.9	2.7	6.6	20.1	0.34	2.11	0.26	50	0.07	0.067
3206364	Soil	4.99	375.93	28.59	474.2	2177	82.6	15.8	301	4.30	23.3	1.4	9.1	3.8	73.1	1.67	5.37	0.30	12	6.48	0.204
3206365	Soil	11.08	33.62	55.01	149.2	319	30.6	4.8	182	5.43	55.5	1.1	0.8	4.3	12.4	0.43	2.12	0.42	90	0.03	0.115
3206366	Soil	9.81	29.33	40.59	127.1	308	28.3	3.9	115	3.70	40.2	0.9	<0.2	3.5	7.8	0.23	1.58	0.39	87	0.04	0.085
3206367	Soil	9.34	34.85	44.73	138.6	242	28.1	4.1	142	3.69	41.2	1.0	2.7	2.4	8.9	0.25	2.56	0.28	59	0.01	0.103
3206368	Soil	4.19	17.05	11.22	42.7	105	10.0	2.1	41	1.31	13.8	0.7	1.1	1.1	6.4	0.07	0.99	0.25	70	0.01	0.027



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	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02
3201881	Soil	14.9	32.0	0.19	431.1	0.032	<20	1.42	0.013	0.21	0.4	1.5	0.69	0.20	33	8.0	0.21
3201882	Soil	23.9	7.8	0.03	73.6	0.013	<20	0.67	0.002	0.03	<0.1	0.6	0.18	<0.02	47	0.6	0.04
3201883	Soil	8.0	9.8	0.17	216.5	0.017	<20	1.09	0.016	0.05	0.1	1.0	0.35	0.07	73	1.9	0.03
3201884	Soil	13.3	13.8	0.20	259.2	0.006	<20	1.44	0.005	0.07	0.3	0.6	0.44	0.10	128	5.5	0.02
3201885	Soil	5.4	7.6	0.09	24.2	0.007	<20	0.79	0.019	0.04	<0.1	0.3	0.05	0.04	35	0.4	<0.02
3201886	Soil	7.8	10.8	0.09	137.5	0.008	<20	0.62	0.019	0.06	0.1	0.4	0.18	0.05	52	1.6	0.04
3201887	Soil	5.1	5.4	0.02	46.8	0.013	<20	0.37	0.019	0.04	0.2	0.3	0.08	0.03	26	1.2	0.05
3201888	Soil	18.8	11.0	0.01	104.2	0.008	<20	0.46	0.003	0.05	0.3	0.4	0.22	0.03	17	2.4	0.13
3201889	Soil	14.4	9.7	0.01	64.3	0.015	<20	0.33	0.009	0.04	0.3	0.7	0.13	0.02	16	2.1	0.11
3201890	Soil	16.1	13.5	0.09	185.6	0.055	<20	0.76	0.005	0.11	0.7	1.5	0.29	0.09	16	3.2	0.11
3201891	Soil	15.6	13.8	0.09	186.1	0.031	<20	0.59	0.004	0.10	0.5	1.1	0.82	0.08	21	2.6	0.11
3201892	Soil	18.1	19.4	0.17	268.1	0.049	<20	0.93	0.010	0.09	0.4	1.8	0.64	0.10	20	3.6	0.11
3206351	Soil	16.6	17.1	0.28	338.9	0.010	<20	1.13	0.009	0.11	<0.1	2.0	0.23	0.04	109	1.6	0.05
3206352	Soil	17.4	16.2	0.26	235.6	0.012	<20	0.93	0.003	0.08	0.1	2.1	0.25	0.04	54	1.7	0.05
3206353	Soil	20.4	15.1	0.23	203.3	0.012	<20	0.85	0.003	0.07	0.1	2.3	0.23	0.03	43	1.3	0.05
3206354	Soil	16.0	16.6	0.31	261.4	0.015	<20	1.11	0.009	0.11	<0.1	2.1	0.23	0.07	99	2.2	0.04
3206355	Soil	11.2	10.4	0.20	174.7	0.013	<20	0.87	0.016	0.08	<0.1	1.2	0.18	0.05	67	1.6	0.03
3206356	Soil	15.6	18.3	0.28	239.5	0.015	<20	0.99	0.008	0.11	0.1	2.0	0.23	0.06	95	1.8	0.05
3206357	Soil	25.4	10.0	0.13	123.6	0.008	<20	0.48	0.004	0.05	0.1	3.7	0.24	0.05	133	2.7	0.06
3206358	Soil	12.9	15.6	0.15	1772.3	0.013	<20	1.71	0.024	0.13	0.3	1.6	0.33	0.11	185	6.0	0.07
3206359	Soil	17.8	19.4	0.23	1888.2	0.021	<20	1.06	0.009	0.14	0.5	2.2	0.59	0.23	115	5.5	0.08
3206360	Soil	18.8	24.0	0.31	2959.8	0.022	<20	1.59	0.003	0.09	0.2	2.4	0.30	0.08	55	2.6	0.07
3206361	Soil	20.3	26.2	0.30	2912.8	0.022	<20	1.65	0.003	0.10	0.2	2.5	0.34	0.08	63	2.8	0.08
3206362	Soil	17.9	29.0	0.36	3034.1	0.024	<20	1.86	0.003	0.11	0.2	2.6	0.30	0.10	62	3.7	0.08
3206363	Soil	22.1	25.8	0.35	3471.7	0.025	<20	1.54	0.003	0.08	0.2	2.8	0.25	0.09	76	2.3	0.07
3206364	Soil	11.9	7.8	0.77	562.9	0.005	<20	0.31	0.002	0.10	<0.1	3.9	0.13	0.09	247	6.3	0.11
3206365	Soil	15.9	24.9	0.13	227.9	0.015	<20	1.33	0.003	0.08	0.2	1.8	0.28	0.03	24	2.4	0.11
3206366	Soil	18.3	16.3	0.06	126.6	0.012	<20	0.97	0.001	0.06	0.2	1.3	0.23	<0.02	23	2.1	0.08
3206367	Soil	19.2	15.3	0.08	139.2	0.012	<20	0.76	0.002	0.07	0.2	1.3	0.20	0.02	19	2.7	0.08
3206368	Soil	24.5	10.8	0.02	120.5	0.025	<20	0.51	0.002	0.03	<0.1	0.6	0.14	<0.02	13	0.5	0.04



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	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3206369	Soil	11.09	29.07	42.26	140.5	173	28.6	4.1	91	2.35	35.4	1.1	0.8	0.4	10.2	0.22	2.40	0.37	57	0.01	0.072
3206370	Soil	5.59	39.83	42.01	206.5	628	35.5	6.8	206	2.04	22.2	5.1	3.2	1.9	22.4	1.03	1.49	0.27	36	0.19	0.073
3206371	Soil	5.74	34.73	35.22	197.1	363	40.2	8.8	276	2.97	22.9	1.4	2.8	4.9	17.8	0.57	1.69	0.30	34	0.25	0.077
3206372	Soil	4.87	28.55	30.17	122.9	568	27.7	6.0	142	2.21	36.1	1.2	1.6	1.9	8.8	0.44	1.32	0.24	33	0.05	0.057
3206373	Soil	4.87	30.81	32.12	167.4	485	34.7	7.9	271	2.11	17.5	5.6	5.9	3.2	30.8	0.54	1.68	0.24	41	0.47	0.094
3206374	Soil	5.49	21.13	29.19	157.8	511	27.9	6.9	303	1.97	14.9	3.7	2.1	2.6	22.0	0.53	1.55	0.23	39	0.27	0.080
3206375	Soil	4.96	25.45	25.70	160.6	356	31.5	8.1	248	2.09	13.3	3.2	1.8	5.0	19.5	0.45	1.64	0.21	35	0.28	0.094
3206376	Soil	3.76	37.46	51.89	179.4	701	34.6	10.2	153	1.93	16.8	5.4	2.9	1.8	35.7	0.35	0.98	0.26	27	0.33	0.087
3206377	Soil	4.89	25.77	53.67	161.4	502	29.0	12.2	396	2.28	20.3	2.7	2.9	2.6	26.1	0.29	1.27	0.38	35	0.15	0.093
3206378	Soil	4.28	38.56	53.01	140.9	820	35.2	6.9	140	1.80	16.0	4.7	3.9	1.4	33.5	0.54	1.38	0.31	34	0.24	0.082
3206379	Soil	5.68	48.86	67.98	231.7	1049	52.9	9.8	232	2.67	23.6	7.3	4.6	3.0	41.8	0.55	1.74	0.41	42	0.45	0.113
3206380	Rock Pulp	12.40	154.25	267.85	203.3	105	79.2	46.2	266	1.55	9.3	0.4	37.2	3.3	31.6	0.49	0.18	0.17	23	0.56	0.053
3206381	Soil	6.22	42.05	55.31	240.2	964	46.6	11.1	312	2.57	18.8	5.2	3.4	2.7	33.0	0.80	1.70	0.35	42	0.28	0.105
3206382	Soil	6.02	50.69	55.26	221.9	937	46.6	9.5	310	2.50	21.3	7.2	4.1	2.4	44.5	1.27	2.19	0.38	42	0.45	0.110
3206383	Soil	9.62	36.97	55.78	151.5	145	33.7	11.5	281	3.48	55.7	1.8	1.3	5.4	16.4	0.96	2.79	0.42	31	0.15	0.080
3206384	Soil	5.91	26.22	44.76	206.6	820	35.4	8.9	332	2.39	25.8	4.7	2.6	1.2	28.4	0.78	1.65	0.31	39	0.33	0.106
3206385	Soil	3.36	11.83	13.92	32.5	48	7.9	1.6	33	0.70	13.0	0.8	0.4	0.8	13.1	0.15	0.67	0.14	19	0.03	0.027
3206386	Soil	6.71	35.50	73.97	119.2	478	30.4	11.4	268	4.76	304.6	2.0	2.5	3.9	43.3	0.37	5.04	0.46	21	0.11	0.276
3206387	Soil	5.35	26.88	55.96	176.4	695	30.6	9.8	401	2.57	60.2	6.2	4.2	1.7	37.9	0.34	1.38	0.32	40	0.63	0.143
3206388	Soil	10.15	14.16	19.49	82.4	346	23.8	2.3	63	1.09	14.1	0.7	0.8	0.2	7.2	0.10	1.70	0.26	51	0.02	0.034
3206389	Soil	10.47	176.74	32.30	332.7	932	46.7	13.2	225	5.14	69.1	3.3	4.6	5.0	9.7	0.83	4.50	0.36	33	0.30	0.389
3206390	Soil	4.17	31.44	50.42	269.0	811	44.9	7.3	223	2.39	19.5	3.5	2.8	2.2	38.7	0.86	1.72	0.26	37	0.54	0.107
3206391	Soil	4.73	34.13	58.63	214.8	842	41.4	7.8	291	2.59	23.1	5.2	3.4	2.6	38.8	0.56	1.78	0.29	40	0.55	0.109
3206392	Soil	3.80	35.26	51.53	188.1	676	42.7	7.7	107	2.51	26.2	4.7	3.1	3.7	29.3	0.75	1.55	0.29	37	0.35	0.097
3206393	Soil	7.58	49.04	60.74	182.7	164	55.5	31.3	616	4.83	389.1	2.3	3.1	7.1	12.9	0.93	4.27	0.66	22	0.13	0.147
3206394	Soil	8.42	41.72	48.74	199.6	286	34.4	5.3	135	4.01	47.3	1.5	0.8	1.6	10.7	0.44	3.21	0.40	59	0.12	0.372
3206395	Soil	13.44	65.05	67.24	196.9	436	60.8	9.4	230	4.45	48.6	2.0	2.3	1.6	8.5	0.35	4.65	0.36	56	0.03	0.167
3206396	Soil	31.96	50.23	81.44	378.8	404	97.2	15.9	449	3.61	78.8	4.2	1.8	0.3	17.9	1.11	6.69	0.43	78	0.18	0.213
3206397	Soil	31.56	69.83	98.10	426.3	591	113.5	14.6	600	3.18	49.2	6.0	3.2	2.1	25.3	1.90	7.11	0.29	80	0.20	0.145
3206398	Soil	10.01	25.21	34.59	56.7	802	10.1	2.6	132	3.90	41.3	1.6	6.8	4.9	14.9	0.09	5.56	0.41	38	0.02	0.146



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	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
3206369	Soil	26.1	10.3	0.05	183.7	0.009	<20	0.53	0.005	0.08	0.1	0.6	0.21	0.03	14	2.1	0.08	4.1
3206370	Soil	20.3	15.6	0.15	407.3	0.010	<20	1.07	0.009	0.11	0.2	1.7	0.27	0.02	106	1.8	0.06	3.3
3206371	Soil	26.0	15.2	0.22	375.9	0.010	<20	1.03	0.005	0.08	0.1	2.2	0.20	<0.02	48	1.2	0.06	2.8
3206372	Soil	21.4	12.9	0.14	162.4	0.009	<20	1.00	0.007	0.05	0.2	1.2	0.17	<0.02	27	0.9	0.05	3.2
3206373	Soil	18.5	17.0	0.23	340.0	0.015	<20	1.06	0.008	0.13	0.5	2.1	0.30	0.03	106	1.7	0.07	3.1
3206374	Soil	17.4	18.1	0.21	370.1	0.014	<20	1.03	0.009	0.12	0.1	1.8	0.30	0.02	96	1.7	0.06	3.3
3206375	Soil	21.6	16.9	0.26	242.8	0.021	<20	0.91	0.006	0.09	0.1	2.2	0.29	<0.02	74	1.7	0.05	2.8
3206376	Soil	13.7	15.2	0.21	248.2	0.009	<20	1.24	0.013	0.09	0.1	1.7	0.17	0.03	73	1.4	0.04	3.2
3206377	Soil	23.0	18.1	0.24	229.2	0.012	<20	1.14	0.006	0.11	0.1	1.7	0.23	0.03	69	1.3	0.05	4.0
3206378	Soil	14.3	15.7	0.15	351.1	0.009	<20	1.11	0.012	0.11	0.1	2.0	0.29	0.04	110	2.2	0.05	3.7
3206379	Soil	19.2	20.2	0.27	391.6	0.012	<20	1.48	0.008	0.15	0.1	2.8	0.41	0.05	177	3.7	0.04	4.0
3206380	Rock Pulp	28.0	31.0	0.47	61.7	0.075	<20	0.81	0.089	0.11	<0.1	3.0	0.07	0.04	<5	<0.1	0.02	2.8
3206381	Soil	20.7	19.9	0.26	361.9	0.014	<20	1.46	0.009	0.10	0.2	2.5	0.39	0.03	171	2.1	0.08	4.3
3206382	Soil	18.5	19.3	0.23	386.8	0.013	<20	1.36	0.009	0.11	0.2	2.7	0.38	0.03	184	2.6	0.06	3.9
3206383	Soil	35.7	14.9	0.18	176.8	0.011	<20	0.70	0.002	0.06	0.2	1.3	0.18	0.02	19	1.9	0.06	3.5
3206384	Soil	14.4	16.9	0.23	266.3	0.012	<20	1.21	0.014	0.10	0.1	1.7	0.28	0.03	109	1.7	0.03	3.8
3206385	Soil	45.5	5.6	0.01	91.9	0.008	<20	0.35	0.004	0.03	<0.1	0.4	0.08	<0.02	8	0.4	0.03	3.0
3206386	Soil	34.6	15.3	0.18	246.6	0.008	<20	0.69	0.014	0.11	<0.1	1.1	0.29	0.18	31	2.3	0.08	2.4
3206387	Soil	17.4	17.0	0.25	362.6	0.009	<20	1.03	0.008	0.10	<0.1	1.9	0.23	0.05	139	1.3	0.06	2.9
3206388	Soil	23.7	9.2	0.04	62.7	0.011	<20	0.41	0.003	0.04	<0.1	0.4	0.20	<0.02	15	1.4	0.04	3.4
3206389	Soil	18.9	11.3	0.02	64.8	0.005	<20	0.45	0.004	0.08	<0.1	1.5	0.20	<0.02	40	3.6	0.11	1.2
3206390	Soil	17.4	16.9	0.25	276.3	0.011	<20	1.07	0.009	0.11	<0.1	2.1	0.34	0.05	151	2.2	0.04	2.9
3206391	Soil	18.3	18.7	0.25	292.4	0.011	<20	1.10	0.009	0.10	<0.1	2.4	0.33	0.04	166	2.3	0.07	3.2
3206392	Soil	20.1	15.9	0.23	281.9	0.011	<20	1.14	0.008	0.09	<0.1	2.4	0.31	0.06	121	3.9	0.05	3.2
3206393	Soil	39.9	12.6	0.18	69.2	0.008	<20	0.88	0.002	0.06	0.1	1.7	0.23	<0.02	29	1.7	0.07	2.3
3206394	Soil	19.9	15.9	0.10	74.8	0.018	<20	0.82	0.002	0.06	0.2	1.1	0.24	<0.02	24	1.7	0.09	4.9
3206395	Soil	17.0	16.4	0.09	125.4	0.009	<20	0.80	0.003	0.09	0.2	1.2	0.30	<0.02	22	2.2	0.09	3.7
3206396	Soil	13.7	17.3	0.11	121.2	0.004	<20	0.62	0.009	0.09	<0.1	0.6	0.52	0.05	68	3.6	0.11	2.2
3206397	Soil	16.8	18.4	0.11	250.4	0.004	<20	0.53	0.003	0.09	<0.1	2.0	0.60	0.08	188	5.0	0.12	1.7
3206398	Soil	16.7	23.4	0.21	324.1	0.041	<20	1.95	0.019	0.17	0.5	1.9	0.56	0.24	121	6.9	0.12	4.6



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
3206399	Soil	8.17	16.35	25.09	43.2	312	6.7	1.5	63	3.22	36.0	0.9	2.9	1.5	7.5	0.08	4.49	0.44	44	0.02	0.072
3206400	Soil	8.46	17.18	25.28	44.7	306	7.3	1.6	67	3.33	37.2	1.0	2.8	1.8	7.7	0.08	4.31	0.42	46	0.02	0.080



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	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
3206399	Soil	14.9	14.7	0.16	128.8	0.034	<20	0.97	0.011	0.08	0.4	1.1	0.31	0.04	46	4.2	0.09	5.7
3206400	Soil	16.5	15.1	0.17	141.2	0.036	<20	1.03	0.010	0.08	0.4	1.2	0.34	0.04	48	4.3	0.09	5.9



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QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	0.001
Pulp Duplicates																					
3201845	Soil	0.49	108.01	1.23	38.5	100	0.6	0.3	7	>40	17.9	2.3	<0.2	0.1	1.2	0.03	3.20	<0.02	325	<0.01	0.162
REP 3201845	QC	0.52	112.12	1.35	39.9	102	0.6	0.2	7	>40	18.1	2.3	<0.2	0.2	1.2	0.06	3.20	<0.02	329	<0.01	0.160
3201849	Soil	10.04	34.99	26.28	66.5	2549	9.7	2.5	100	6.46	35.5	1.3	6.7	7.6	15.4	0.10	5.14	0.37	49	0.02	0.155
REP 3201849	QC	11.03	38.17	28.37	71.3	2675	11.0	2.6	113	6.87	37.0	1.3	5.5	8.5	16.5	0.11	5.35	0.40	50	0.02	0.168
3201885	Soil	0.99	17.31	5.68	24.1	82	6.1	2.1	79	0.99	6.2	0.5	0.5	<0.1	7.4	0.04	0.44	0.08	10	0.03	0.062
REP 3201885	QC	1.01	17.93	5.84	23.3	86	6.2	2.3	80	1.06	6.6	0.5	0.5	<0.1	7.4	0.04	0.48	0.09	10	0.03	0.064
3206378	Soil	4.28	38.56	53.01	140.9	820	35.2	6.9	140	1.80	16.0	4.7	3.9	1.4	33.5	0.54	1.38	0.31	34	0.24	0.082
REP 3206378	QC	4.34	38.39	52.85	140.3	820	34.9	7.0	137	1.83	15.9	4.7	3.5	1.3	33.8	0.58	1.37	0.32	33	0.25	0.083
Reference Materials																					
STD DS11	Standard	14.33	150.73	142.72	339.1	1850	79.6	13.3	1062	3.14	45.1	2.6	54.5	7.8	70.0	2.47	7.16	12.96	47	1.07	0.074
STD DS11	Standard	15.25	156.72	143.14	338.1	1899	81.6	14.1	1025	3.17	44.4	2.5	89.5	7.6	74.5	2.48	8.03	12.21	50	1.07	0.073
STD DS11	Standard	15.23	159.40	144.38	322.9	1594	78.7	13.9	1095	3.37	46.7	2.7	55.6	8.0	68.3	2.32	6.59	11.60	54	1.13	0.078
STD DS11	Standard	14.51	143.98	133.59	335.6	2081	80.8	12.9	1029	3.11	41.4	2.4	55.4	7.5	64.9	2.33	6.54	11.18	47	1.05	0.066
STD DS11	Standard	13.78	145.08	131.83	339.3	1706	74.5	13.1	981	3.07	42.8	2.4	50.2	7.2	64.5	2.50	6.87	12.15	47	1.01	0.067
STD OREAS45EA	Standard	1.64	711.67	15.03	33.2	250	401.5	52.0	409	23.13	11.4	1.8	52.8	10.5	3.7	0.02	0.35	0.27	335	0.03	0.031
STD OREAS45EA	Standard	1.63	704.60	14.59	33.4	260	404.9	53.5	407	22.88	11.5	1.8	58.2	10.4	3.9	0.01	0.21	0.27	310	0.03	0.030
STD OREAS45EA	Standard	1.58	737.99	15.35	33.8	253	433.0	56.0	451	24.72	11.8	1.9	47.8	10.8	3.9	<0.01	0.21	0.28	331	0.04	0.034
STD OREAS45EA	Standard	1.83	713.83	15.34	33.8	267	399.4	52.6	440	23.53	11.8	2.0	56.1	10.8	4.0	0.02	0.30	0.28	335	0.03	0.028
STD OREAS45EA	Standard	1.60	714.98	14.80	32.5	272	378.4	51.4	395	22.66	11.5	1.8	53.9	10.5	3.9	<0.01	0.34	0.27	311	0.03	0.028
STD OREAS45EA Expected		1.6	709	14.3	31.4	260	381	52	400	22.65	11.4	1.73	53	10.7	4.05	0.03	0.32	0.26	303	0.036	0.029
STD DS11 Expected		13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063	0.0701
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	<0.01	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001
BLK	Blank	<0.01	0.02	<0.01	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	<0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01	<0.001



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QUALITY CONTROL REPORT

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
Pulp Duplicates																		
3201845	Soil	1.0	63.9	<0.01	5.9	0.003	<20	0.25	<0.001	0.01	<0.1	0.3	0.07	0.55	20	5.6	<0.02	0.4
REP 3201845	QC	1.0	65.5	<0.01	5.9	0.003	<20	0.25	<0.001	0.01	<0.1	0.3	0.06	0.57	10	6.0	<0.02	0.4
3201849	Soil	12.3	28.8	0.19	308.6	0.041	<20	2.05	0.010	0.13	2.2	2.2	0.36	0.17	211	8.2	0.14	5.9
REP 3201849	QC	13.1	31.9	0.20	334.4	0.044	<20	2.19	0.011	0.13	2.4	2.4	0.37	0.17	231	9.3	0.13	6.4
3201885	Soil	5.4	7.6	0.09	24.2	0.007	<20	0.79	0.019	0.04	<0.1	0.3	0.05	0.04	35	0.4	<0.02	2.0
REP 3201885	QC	5.7	7.9	0.09	24.9	0.007	<20	0.81	0.019	0.04	<0.1	0.3	0.05	0.04	38	0.4	0.02	2.2
3206378	Soil	14.3	15.7	0.15	351.1	0.009	<20	1.11	0.012	0.11	0.1	2.0	0.29	0.04	110	2.2	0.05	3.7
REP 3206378	QC	13.7	14.9	0.16	331.3	0.009	<20	1.11	0.011	0.11	0.1	1.9	0.28	0.04	107	2.3	0.06	3.6
Reference Materials																		
STD DS11	Standard	19.5	59.5	0.85	439.7	0.097	<20	1.17	0.074	0.41	2.5	3.1	5.06	0.28	265	2.5	4.87	5.2
STD DS11	Standard	20.7	60.7	0.84	431.4	0.101	<20	1.16	0.075	0.40	2.5	3.1	4.95	0.28	289	2.2	4.59	4.8
STD DS11	Standard	19.7	63.8	0.90	389.0	0.095	<20	1.25	0.079	0.42	2.9	3.4	5.29	0.29	275	2.4	4.93	5.6
STD DS11	Standard	17.1	55.9	0.83	419.2	0.088	<20	1.13	0.073	0.41	3.0	3.1	4.94	0.27	257	2.0	4.49	4.8
STD DS11	Standard	17.5	56.7	0.82	373.2	0.088	<20	1.09	0.072	0.39	2.4	3.0	4.87	0.27	273	2.2	4.41	4.7
STD OREAS45EA	Standard	7.5	868.4	0.11	140.6	0.105	<20	3.38	0.016	0.05	<0.1	79.1	0.07	0.03	11	1.4	0.09	12.7
STD OREAS45EA	Standard	7.9	843.0	0.11	147.3	0.103	<20	3.49	0.024	0.06	<0.1	77.2	0.07	0.04	11	1.4	0.07	12.0
STD OREAS45EA	Standard	7.1	953.1	0.10	143.9	0.106	<20	3.70	0.027	0.06	<0.1	81.5	0.08	0.04	14	1.4	0.08	14.5
STD OREAS45EA	Standard	7.2	966.0	0.10	147.4	0.100	<20	3.36	0.016	0.05	<0.1	80.6	0.07	0.03	12	1.2	0.10	14.1
STD OREAS45EA	Standard	7.5	856.5	0.10	157.5	0.097	<20	3.39	0.021	0.06	<0.1	76.4	0.05	0.03	6	1.2	0.10	12.5
STD OREAS45EA Expected		7.06	849	0.095	148	0.0984		3.32	0.02	0.053		78	0.072	0.036	10	0.78	0.1	12.4
STD DS11 Expected		18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	7	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1